Work	Ord	or ID	63	Ω/ 1
WULK	vra	er in	, n.s	114

Monday, October 18, 2010 1:02:43 PM



Page 1

Item ID:

D3628-1

Accept

Setup Start

Stop

Start

Stop



Revision ID: Item Name:

Cupped Washer

Start Date:

10/18/2010

Start Qty: 500.00

Required Date: 10/26/2010

Reg'd Oty: 500.00



Cust Item ID: Customer:

Reference:

Approvals:

Process Plan:

OC:

Date:

Date 1/0

SPC (Y/N):

Tooling:

0.00

0.00

Tool ID

Date:

Date:

Tool # Plan

Accept

Run

Reject Number Insp.

Draw Nbr

Sequence ID/

Work Center ID

Operation Description

Revision Nbr

Rev B

Set Up/ **Run Hours**

Code

Qty

Reject **Qty**

Stamp

D3628

100

Purchasing

Purchasing

PURCHASING

Memo

Issue P/O: 12776 Email or Ship DXF file to vendor

Laser Cut D3628-1 flat pattern and form as per Dwg D3628

Possible Supplier: GFI

Material release note is required

110

Packaging Packaging

Receive & Inspect for Damage & Mat'l Certs

0.00

Memo

0.00

Ensure material certification is attached



CL 10/10/20

Dart Ae	rospace L	τα							٠,
W/O:			WO	RK ORDER CHANGE	S				*
DATE	STEP	PR	PROCEDURE CHANGE			Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
·									
Part No) :	PAR #:	Fault Categ	jory:	NCR: Yes	No DQ	A :	_ Date: _	
	Resolution:		Disposition	:	QA: N/C Cl	osed:	····	Date: _	
NCR:			WORK ORDE	R NON-CONFORMA	NCE (NCR)			
		Description of NC			n B	Verification		Approvai	Approva
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Sect	ion C	Chief Eng	QC Inspector
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Work Order ID 63041

Monday, October 18, 2010 1:02:43 PM



Page 2

Item ID:

D3628-1

Accept

Setup Start

Item Name: Start Date:

Revision ID:

Cupped Washer

10/18/2010

Start Qty: 500.00

Required Date: 10/26/2010

Req'd Qty: 500.00



Cust Item ID: Customer:

Reference:

Approvals:

Process Plan:

QC:

Date:_____

Date: **Tooling:**

SPC (Y/N):

Set Up/

Run Hours

Date: Date: Run

Start

Stop

Stop

Sequence ID/ Work Center ID

120

Quality Control

Operation Description

QC6- Inspect dimensions to drawing

Memo

0.00

0.00

Tool ID

Tool # Plan Code

Accept Qty

Reject **Qty**

Reject Number

Insp. Stamp/

800

OSPOS

130

Packaging

Packaging

Identify as per dwg & Stock Location

Memo

0.00

0.00

140

Quality Control

QC21- Final Inspection - Work Order Release

Memo

0.00

0.00

Dart Aerospace Ltd

W/O:			WO	RK ORDER CHANG	ES	S						
DATE	STEP	PRO	CEDURE CHAI	NGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
			·						Frod Wigi			
					5							
Part No		PAR #:	Fault Cate	jory:	_ NCR	: Yes N	lo DQ	A:	_ Date: _			
	R	esolution:	Disposition	1:	QA:	N/C Clo	sed:		Date: _			
NCR:		\	WORK ORDE	R NON-CONFORM	ANCE	(NCR)						
	0777	Description of NC Corrective Action			Section B Ve			erification	Approval	Approval		
DATE	STEP	Section A	Initial Action Description Chief Eng Chief Eng			Sign & Date	Section C		Chief Eng	QC Inspector		

Picklist Print

Monday, October 18, 2010 1:02:47 PM

Work Order ID: 63041

Parent Item: D3628-1

Parent Item Name: Cupped Washer

Start Date: 10/18/2010

Required Date: 10/26/2010

Page 1

Start Qty: 500.00

Required Qty: 500.00

Comments:

IPP Rev:A New Issue 07-05-28 JLM IPP Rev:B Removed Powder 07-07-11 JLM

Purchased

No

Replacement Mfg/ Component Item ID/ Primary Qty on Qty per Kit Total Bin Last Route Unit of Qty Date Status Item Name Seq ID Item Location Location Measure Hand Item ID Purch Issued Issued Qty

110

Each

D3628-1P

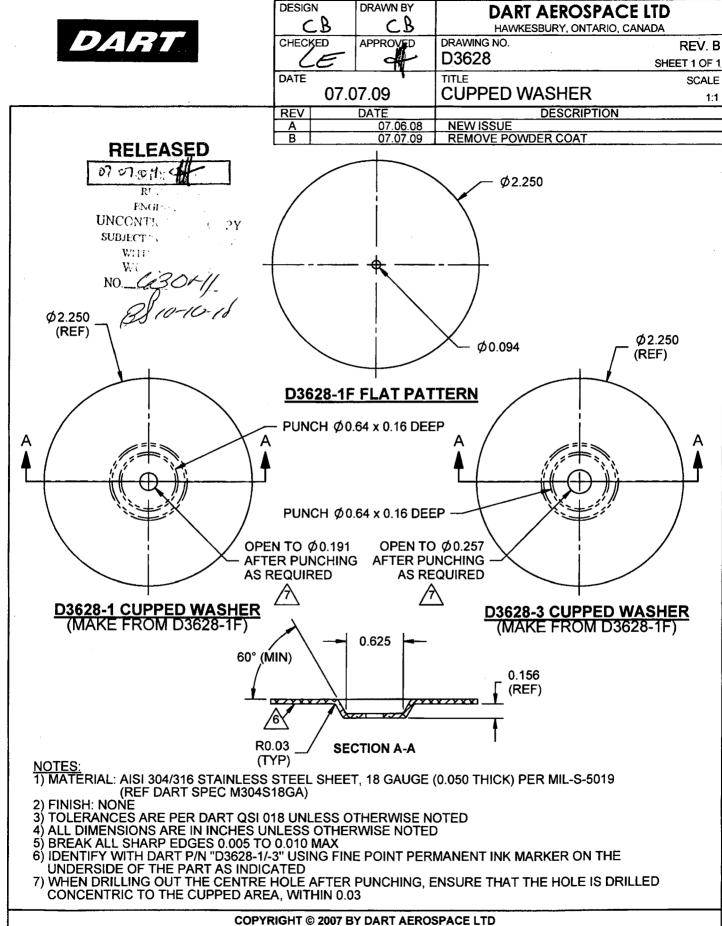
CUPPED WAHSER

0.0000

500

Dart Aerospace Ltd

W/O:			WC	RK ORDER CHANG	ES				
DATE	STEP	PRO	OCEDURE CHAI	NGE	Ву	Date Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
Part No	:	PAR #:	Fault Cate	gory:	_ NCR: Yes I	No DQA:	Date: _		
	R	esolution:	Disposition	າ:	sed:	Date:			
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DATE	STEP	Description of NC Corrective Action			on B Sign &	Verification	Approval	Approval	
DAIL	O.L.	Section A	Initial Chief Eng	Action Description Chief Eng	Date	Section C	Chief Eng	QC Inspector	
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Dart Aerospace Ltd

W/O:			WORK ORDER CHANGES										
DATE	STEP	PRO	PROCEDURE CHANGE					Approval Chief Eng / Prod Mgr	Approval QC Inspector				
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	Resolution:		Disposition	1:	QA: N/C C	osed:		Date: _					
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DATE	CTED	Description of NC		Corrective Action Section		Verific	ication Approval	Approval	Approval				
DATE	STEP Description of NC Section A	Initial Chief Eng	Action Description Chief Eng	Sign 8 Date	k Secti	ion C	Chief Eng	QC Inspector					
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Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO12776

Purchase Order Date 10/20/10 PO Print Date 10/20/10

Page Number 1 of 1

Order From:

VC-GFI001

GFI

180 AVENUE LABROSSE POINTE CLAIRE, QC H9R 1A1

CA

Contact Name

Vendor Phone 514 630 4877

Vendor Fax

514 630 4849

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

Net 30

Currency

CAD

10127-2607

FOB

Terms

Destination-Collect

Ship To:

DART AEROSPACE LTD

1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CANADA

FEXIONS

Line N	br Reference Revision ID	Description/ Mfg ID	Req Date/ Taxable Unit o	Req Qty/ f Measure	Ship Method	Unit Price	Extended Price
	Vendor Part Number						
i	D3628-1P	CUPPED WAHSER	11/05/10	500.00	Purolator ground	\$2.4160	\$1,208.00
			Yes	Each		*	- ,

Special Inst:

AS PER DWG D3628 REV. B

B63041

PO Total:

\$1,208.00

MATERIAL CERTIFICATION REQ'D UPON DELIVERY

CERTIFICATE OF CONFORMITY REQ'D UPON DELIVERY

1

CL

No substitution or deviation without consent.

Certificate of Conformity or Material Certification required when applicable

Change Nbr:

Change Date:

10/20/10



180 AVENUE LABROSSE POINTE-CLAIRE, QC, CANADA H9R 1A1 TÉL.:(514) 630-4877 - FAX:(514) 630-4849



BON DE LIVRAISON / SHIPPING MEMO

DATEDELIV	RAISON/SHI	PPINGDATE	N° DE BON DE LIVRAISON	PAGE
12	11	10	0449971	1/1

GFI est une division de Thomas & Betts Fabrication Inc. / GFI is a division of Thomas & Betts Manufacturing Inc.

VENDU À /SOLD TO

DART AEROSPACE LTD 1270 ABERDEEN ST. HAWKESBURY, ON K6A 1K7 EXPÉDIÉ À / SHIP TO

DART AEROSPACE LTD 1270 ABERDEEN ST. HAWKESBURY, ON K6A 1K7

31 2 18 248	CODE DE CLIENT CUSTOMER CODE	N° DE CONTRAT	VOTRE Nº DE CON YOUR PURCHASE O	MANDE 3 8 8 8 8	EXPÉDIE PAR	#*# 12
DART	GFI-0299	0221999	P01277	2 1998 - 1998 - 1999 - 1999 - 19	SHPVIA	
QUANTITÉ QUANTITY		N° DE PIÈCE PART NO			CRIPTION	
50	D36281		CUPPED) WASHER		
(CERTIF	CATE OF CONF	DRMANCE REO	
	MFG. JOB# JO221	999-001 QTY	500			
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		200				
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		 	Crack Property	EVDENIE ZW. 1 W. 1 W. 1		

EXPÉDITEUR SHIPPER

N° DE BÓN DE LIVRAISON SHIPPING MEMO NO



CERTIFICATE OF COMPLIANCE CERTIFICAT DE CONFORMITE



180 LABROSSE AVENUE POINTE CLAIRE, QC H9R 1A1 DART AEROSPACE LTD 1270 ABERDEEN ST. HAWKESBURY, ON K6A 1K7

CERTIF	ICATE NO.	6	OUR JO	BNO J	0221999	SHIPPIN	NG MEMO	0449971		
ITEM	QUANTITY	PURCHA	se order	R PART I	NUMBER	REV	N	AME	DWG	ISSUE
	500 PCS	РО	12776	D36281		В	CUPF	ED WASHER		B
	MATERIAL			SUPPI	LIED BY	LUDLUM	_	MAT. RE	NO. # 990570	
1	FIRST ART		CESS PECTION	REPORT O	N FILE	l	PROCESS GFI	ØR	RELEASE N/.	
2 RF	EF. GFI MANUF	ACTURING	G JOB NUME	BER J0221999-00	1 (500 PCS)					
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8	934 194								100	
9 :	:		•					·		

WE HEREBY CERTIFY ALL THE PARTS COVERED BY THIS CERTIFICATE HAVE BEEN MANUFACTURED FROM MATERIAL SUPPLIED ON RELEASE NOTE SHOWN ABOVE AND THAT ALL PARTS HAVE BEEN INDIVIDUALLY INSPECTED AND CONFORM TO THE

DRAWINGS AND PURCHASE ORDER REFERENCED ABOVE.

DATE 12 NOVEMBER 2010

DP12-001 REV 0 Bombardier Certificate of Compliance TW Metals District Procedure

Revision 0

Revision Date 04-03-00

Superseding Initial

Page 1 of 1

CERTIFICATE OF COMPLIANCE

FRAUD AND FALSIFICATION STATEMENT

The recording of false, fictitious, or fraudulent statements or entries on this document may be punished as a felony under federal statutes including federal law. Title 18 chapter 47

CERTIFICATE OF COMPLIANCE

This certificate of compliance certifies that the material supplied on the purchase order number below complies in all respects with the material description and procurement specifications

MERCURY FREE STATEMENT

We certify that mercury, radium, or alpha bearing instruments and / or equipment which might cause contamination have not been used in the manufacture, fabrication, assembly or testing of any material supplied by TW Metals Inc. Switches, glass thermometers, standard cell and other items containing the above elements may be used, but they will be located so as not to constitute a contamination hazard

CUSTOMER NAME	
PURCHASE ORDER NoOT'	7443
ITEM No OCO 1	_ SHIPPER INVOICE No 03268508
MATERIAL 304 SIS Shee	T SPECIFICATION: AMS 5512
MANUFACTURING MILL	Altegheny Ludlum
SIZE. •WC	_ HEAT/LOT No 3990571
PART NO TS 05 03 6 1 2 04 A	QUANTITY: 1EA.
TEST DEPARTMENT CLERK	Amy Davis

AUTHORITY

Joe Schab Director of Quality Assurance

NOTICE OF SHIPMENT? PACKING LIST



CERTIFICATE OF TEST

AL 6168-3 908

CUST. ORD, NO. & DATE CUST, CODE HILL ORDER HIMMER DATE SHIPPED 105/14/10 110977 01016394 FORME DISTRIBUTION VANDERGRIFT, PA. 462813 3020102060000 |30-050-1 REPEAT ORDER NATE ORITY GOVE CONTRACT MATL 82037-5 26 1124 VANDERGRIFT PA |650096 SOLD TO PRIME SEC. SHIP TO UNITED PERFORMANCE METALS DSO DSO UNITED PERFORMANCE METALS 3475 SYMMES ROAD 584 3475 SYMMBS ROAD HAMILTON OH 45015 HAMILTON OH 45015

GRADE AND SPECIFICATIONS

CARRIER - GROSS, RONALD, INC.

ALLEGHENY STAINLESS STEEL TYPE 304-L SHEET C R COILS ANNBALED 2B FIN 3 EDGE (UPM 304L/304/302 LCS) (AMS 2248F) (AMS 5511H) (AMS 5513J) (AMS 5516P) (ASTM-A-262-10 PRA E/SCREEN PRA A) (ASTM-A-666-03) (S-400 DTD 10/10/2008) (ASTM-A-240-10) (S-1000 DATED 1/2/08) (ASME-SA-240-07) (10/22/08 EXCEPT UPM 304L/304/302) (UNS S30200) (UNS S30400) (UPM-QRS-001) (PWA 300 REV BJ) (F-14, F-17, F-22, F-23, F-MASTER) (EN 10028-7:2007-1.4301-28) (CONTROLLED TO PWA LCS REQUIRMENTS) (EN 10028-7:2007-1.4307-28)

ITEM PCS DIMENSIONS W/G/L	HEAT #	COIL #	TBST #	GROSS	TARE	NBT	THEO	TAG #/ CD SKID #
001 1 48./.050/2053. 1 48.02/.050/1974. P CUST IDENTITY 00624	990570 990570	06250N445 06250N446	8772242 8772578	17270 16510		17220 16460		717111 718421
2 SKIDS				33780	100	3361	80	

								•
TYPE HEAT/TESTC HEAT 990570 .01 TEST LOCATION MI CHECK 8772242 .01 TEST LOCATION TC	MI	.030 MI .030 TC	.0002 MI .0004 TC	SI .45 MI .46 TC	CR 18.10 MI 18.12 TC	MO .32 MI .32 TC	CU .46 MI .46 TC	N .07 MI .07 TC

		10			1,	L 10	TC	TC	TC TC	, ,
7 mm.	ODG WA	AIBID	TENSILE	•				CORROSIO	N GRAIN	ACCUPATION
	TEST NO	PSI •	PSI	IN 2º	1 R/A	HARDNESS		262 PR		HARDENABILITY
001	8772242	T 42500.	91500.	79.	NR	79.HRBW	T PASS			
		T 46000.	94500.	72.	2424	83.HRBW	1 LWG0	FADD	7.	NR
Test	LOCATION	TC	TC	TC		TC	TC	TC	TC	
	6772578	T 41900.	92500.		NTE					
	0.72370			70.	NR	80.HRBW	T PASS	Pass	7.	NR
		Ŧ 42B0Q.	93000.	69.		81.HRBW			•	
Test	LOCATION	TC	TC	TC		TC	TC	TC	TC	
		* Y.S. BY	0.2% OFF	SET METI	COR				- •	

PAGE 01 - CONTINUED ON PAGE 02

Date THILLIE BY 1

07/15/10 11:18:41

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historial Balley Delta Blands in: Alle product have been supplied from Purcharding Geograms. For an additional cosy phone 724-225-6577. GMSTIGHt Processing that region terms duel, or subtime any cause long disease. See Majorial Delty Dest Blands for subserving regions.

Les Baces d'information-le cutir de ou produit qui 1-le Bernier a voier de gentiere temps des acteur, Paur obsert des autophiese auge manutires voullies 1-le Patricus au zuwer authorit 254-125-6577. Allentiere des instances personnes de production de regione, paramètes, ou ecolores pauvent, yté acteur de contendes polymentes Paur plus de renteignemente se private dans directes productions de private dans l'acteurs de production de criticion.

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P.O.: 211289 Parts: TW PO #M492399 Sales #: 01152115 Cuently: 27

s is to certify that to economize with th Res the makerial phipped on your pure forms to the tokewing. It dynamies Road Hamilton, OH 45011

Authorized Signatu

Lynne Hary

NOTICE OF SHIPMENT!

ATI Allegheny

CERTIFICATE OF YEST

AL 6168-3 208

A STATE OF THE PROPERTY OF THE							
* Affighery Dermalogies							
CUST. ORO. NO. 8 DATE	crea	IT, COOR ACCEPTING MU.	SHIPPER NO.	PRODUCT CODE	MILL ORDER HUMBER	CATE SHEPPED	
01016394 FORMS DISTRIBUTION SOLD 1 1 100 4 4 4 4	05/14/1d 11	.0977 VANDERGRIFT, PA	CONTRACT		GEOCATION	07/15/10	
SOLD TO		PRIME SEC.		1124 VANDERGRI HIP TO	FT PA	650096	
UNITED PERFORMANCE 3475 SYMMES ROAD	METALS	DSO DSO 584		ORMANCE METALS	1		
HAMILTON	OH 45015	,	Hamilton	KO	45015		

GRADE AND SPECIFICATIONS

CARRIER - GROSS, RONALD, INC.

ALLEGHENY STAINLESS STEEL TYPE 304-L SHEET C R COILS ANNEALED 28 FIN 3 EDGE (UPM 304L/304/302 LCS) (AMS 2248F) (AMS 5511H) (AMS 5513J) (AMS 5516P) (ASTM-A-262-10 PRA B/SCREEN PRA A) (ASTM-A-666-03) (S-400 DTD 10/10/2008) (ASTM-A-240-10) (S-1000 DATED 1/2/08) (ASME-SA-240-07) (10/22/08 EXCEPT UPM 304L/304/302) (UNS 530403) (UNS 530400) (UPM-QRS-001) (PWA 300 REV BJ) (F-14, F-17, F-22, F-23, F-MASTER) (EN 10028-7:2007-1.4301-2B) (CONTROLLED TO PWA LCS REQUIRMENTS) (EN 10028-7:2007-1.4307-2B)

ITEM 001	TEST NO 8772242	CORROSION ISO 3651-2 PASS	MELT SOURCE 1.	T-YIELD 1% 49500.	P&W E-25 TRAN BEND 2.
Test	LOCATION	TC CORROSION	MRLT	53000. TC	TC
item 001	TEST NO 8772578	ISO 3651-2 PASS		T-YIBLD 1% 48400.	P&W E-25 TRAN BEND 2.
TEST	LOCATION	TC		49300.	ጥሮ

TW METALS R
TMU9239980 B
S SEP 2 0 2010 O
T
ACCEPTED BY

NR = DATA NOT REQUIRED
METALLOGRAPHIC MAGNIFICATION: 100X ETCHANT USED: OXALIC ACID

GRADE VERIFICATION WAS CARRIED OUT SPECTROSCOPICALLY

AUSTENITIC STAINLESS STEELS ARE SOLUTION ANNEALED AT 1900 DEGREES FAHRENHEIT MINIMUM (1038 C) AND RAPIDLY COOLED WITH AIR AND WATER TO DEVELOP THE SPECIFIED PROPERTIES. EVIDENCE OF CONFORMANCE IS PROVIDED BY THE ABILITY OF THE MATERIAL TO MEET THESE SPECIFIED MECHANICAL AND CORROSION REQUIREMENTS.

ALLEGHENY LUDLUM DOES NOT USE MERCURY IN THE TESTING OR PRODUCTION OF ITS PRODUCTS. TO THE BEST OF ALLEGHENY LUDLUMS KNOWLEDGE, UNDERSTANDING, AND BELIEF. THIS MATERIAL WAS NOT CONTAMINATED BY MERCURY WHILE IT WAS BEING PRODUCED IN OUR FACILITIES.

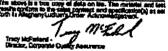
PAGE 02 - CONTINUED ON PAGE 03

07/15/10 11:18:41

CONTROLE. Please Noise—This consignment was larned own to our responsibility to loss or damage limit press. It wants this our responsibility to loss or damage limit press. Desced, for your protection please exercise eligiprent are tractives, if any shortege or discover is discovered, here is full description made by immerportation agent on weight before algoring.

Manded Safety Onto: Street, for site product have been suspilled to your Prochasting Department. For an additional copy phone 724-724-6577. CAUTION: Proceeding that makes farms, dust, or publisher may cause lang obsesses. Been Material Safety Date Showlar the water information.

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Synthese Road Hamilton, CH 45015 NOTICE OF SHIPMENT! **PACKING LIST**



CERTIFICATE OF TEST

AL 6168-3 908

CUST, DRO. HO. & DATE CUST. CODE PRODUCT CODE MILL DROER ALAMSER 05/14/10 110977 VANDERGRIFT, PA. 462813 13020102060000 30-050-144 01016394 462813 07/15/10 IN CHAP 92037-5 26 11124 VANDERGRIFT PA 650096 SHIP TO SOLD TO PRIME SEC. UNITED PERFORMANCE METALS DSD DSO UNITED PERFORMANCE METALS 3475 SYMMES ROAD 584 3475 SYMMRS ROAD HAMILTON OH 45015 HAMILTON OH 45015

GRADE AND SPECIFICATIONS

CARRIBR - GROSS.RONALD.INC.

ALLEGHENY STAINLESS STEEL TYPE 304-L SHEET C R COILS ANNEALED 2B FIN 3 EDGE (UPM 304L/304/302 LCS) (AMS 2248P) (AMS 5511H) (AMS 5513J) (AMS 5516P) (ASTM-A-262-10 PRA E/SCREEN PRA A) (ASTM-A-666-03) (S-400 DTD 10/10/2008) (ASTM-A-240-10) (S-1000 DATED 1/2/08) (ASME-SA-240-07) (10/22/08 EXCEPT UPM 304L/304/302) (UNS \$30403) (UNS \$30200) (UNS \$30400) (UPM-ORS-001) (PWA 300 REV BJ) (F-14, F-17, F-22, F-23, F-MASTER) (EN 10028-7:2007-1.4301-2B) (CONTROLLED TO PWA LCS REQUIRMENTS) (EN 10028-7:2007-1.4307-2B)

NO WELDS/WELD REPAIRS PERFORMED.

DIN EN 10204:2005 - 3.1 ALLEGHENY LUDLUM IS APPROVED AS A MANUFACTURER ACCORDING TO AD 2006 MERKBLATT AND THE PRESSURE EQUIPMENT DIRECTIVE PED 97/23/EC.

THE NUMERIC CODES SHOWN UNDER MELT SOURCE CAN BE INTERPRETED AS FOLLOWS:

- 1. MATERIAL MELTED, ROLLED AND TESTED IN THE UNITED STATES.
- 2. FOREIGN MELT: ROLLED AND TESTED IN THE UNITED STATES.

THIS DIN EN 10204:2005 - 3.1 CERTIFICATE OF TEST SHALL NOT BE REPRODUCED EXCEPT IN FULL. PEDERAL LAW PROHIBITS THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE AND MAY BE PUNISHABLE AS A FELONY UNDER FEDERAL LAW. MATERIAL WAS MANUFACTURED IN ACCORDANCE WITH THE ALC QUALITY MANUAL REVISION 19 DATED 06/09/2010. ALC HOLDS SEVERAL QUALITY CERTIFICATIONS THAT INCLUDE ISO-9001 AND AS9100. TESTING WAS PERFORMED AT ALC NADCAP AND ISO/IEC 17025 APPROVED LABORATORIES LOCATED AT THE NATRONA HEIGHTS, BRACKEMRIDGE, LATROBE, AND MIDLAND, PA FACILITIES OR AT A NADCAP AND ISO/IEC 17025 ACCREDITED COMMERCIAL LABORATORY.

ATI-ALLEGHENY LUDLUM HOLDS SEVERAL CUALITY AND LABORATORY CERTIFICATIONS THAT INCLUDE ISO-9001:2000. ASSIGO, AD 2000-MERKBLATT WO. AND BU PRESSURE BOULPMENT DIRECTIVE 97/23/EC, NADCAP MATERIALS TESTING. ISO/IEC 17025, GEAE \$400, GEAE S-1000. REFER TO WWW.ALLEGHENYLUDLUM.COM TO ACCESS THE CURRENT ATI-AL QUALITY CERTIFICATIONS.

ALLEGHENY LUDLUM WORKS TO THE ROLLS ROYCE RR9000:SABRE REQUIREMENTS. PAGE 03 - CONTINUED ON PAGE 04

07/15/10 11:18:41

TW METALS

NOTICE OF SHIPMENT!



CERTIFICATE OF TEST

AL 6168-3 908

CUST. ORD. NO. A DATE CUST, CODE PRODUCT COOP MILL ORDER MEMBER 05/14/10 110977 | VANDERGRIFT.PA. 113020102060000 | 30-050-144 462813 REPEAT DO PRI-ORDER RATE ORDEY 82037-5 26 CONTINCT 1124 VANDERGRIFT IPA | 650096 SHIP TO PRIME SEC. OT GIOR UNITED PERFORMANCE METALS DSO UNITED PERFORMANCE METALS 584 3475 SYMMES ROAD 3475 SYMMES ROAD HAMTI.TYM **MOTATMAN** OH 45015 OH 45015

GRADE AND SPECIFICATIONS

CARRIER - GROSS, RONALD, INC.

ALLEGHENY STAINLESS STEEL TYPE 304-L SHEET C R COILS ANNEALED 2B FIN 3 EDGE (UPM 304L/304/302 LCS) (AMS 224BF) (AMS 5511H) (AMS 5513J) (AMS 5516P) (ASTM-A-262-10 PRA E/SCREEN PRA A) (ASTM-A-666-03) (S-400 DTD 10/10/2008) (ASTM-A-240-10) (S-1000 DATED 1/2/08) (ASME-SA-240-07) (10/22/08 EXCEPT UPM 304L/304/302) (UNS 530403) (UNS S30200) (UNS S30400) (UPM-QRS-001) (PWA 300 REV BJ) (F-14, F-17, F-22, F-23, F-MASTER) (EN 10028-7:2007-1.4301-2B) (CONTROLLED TO PWA LCS REQUIRMENTS) (EN 10028-7:2007-1.4307-2B)

FLAT MON-WELDED TEST PIECE WAS USED FOR ISC 3651-2 INTERGRANULAR CORROSION TEST. T1 SENSITIZATION HEAT TREATMENT WAS PERFORMED ON LOW CARBON AND STABILIZED GRADES.

QUALITY SYSTEM CERTIFIED ACCORDING TO PRESSURE EQUIPMENT DIRECTIVE 97/23/BC, ANNEX 1, 4.3 BY TUV SUD, INDUSTRIE SERVICE GMBH. (NOTIFIED BODY 0036).

MATERIAL TESTED AT ALLEGHENY LUDLUM GEAE \$400 (DATED 10/31/07) APPROVED FACILITIES (T1225): NATRONA HEIGHTS TECHNICAL CENTER AND BRACKENRIDGE, PA.

ALLEGHENY LUDLUM PERFORMS CHEMICAL ANALYSIS BY THE POLLOWING TECHNIQUES:

C, S BY COMBUSTION/INFRARED

N, O, H BY INERT FUSION/THERMAL CONDUCTIVITY MN, P, SI, CR, NI, MO, CU, CB, CO, V BY WDXRF B BY OBS

AL AND TI (>=0.10%) BY WDXRF, OTHERWISE BY OES PB. BI. AG BY GFAA

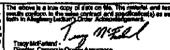
FINAL MECHANICAL TESTING PERFORMED BY WESTMORELAND MECHANICAL TESTING & RESEARCH, YOUNGSTOWN, PA. (17869) GEAE \$400 AND ISO/IEC 17025 APPROVED FACILITY.

TESTING WAS PERFORMED AT THE FOLLOWING LOCATIONS:
MI = ATI-ALLEGHENY LUDLUM; 950 TENTH STREET; MIDLAND, PA 15059
TC = ATI-ALLEGHENY LUDLUM; 1300 PACIFIC AVENUE; NATRONA HEIGHTS, PA 15065
PAGE 04 - CONTINUED ON PAGE 05

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CONSIGNEE. Please folia-Tale configurant issue barned over its centric in limit dises considers, belong connects (seeker, at which time our responsibility for loss or denegle in stignment cased, the report patients of please summine stignment as it acrises. If any shortage or denegle the disponents in have 6 3.6 marchites around by transportation agent 45 maybill before significal.

Makerial Sadely Dista Sheets for this protect have been expelled to your Purchasing Copactness. For or sufficient copy phone 724-228-43377. CAUTION: Procurping Convenient forms, dust, or substitute energy care large phoness. See Melicial Salety Data Sheets for Earthis Helmmillon. Les liches d'information-or outs: de ce produit etil 11 fourtée e votre de parment charge des actuals. Pour étenter des surreptates suspir montains voulles n'épotes es un mirro suitent 73-425-6177. Alteritées te tratisseules entretains le protuction de vispeurs, pouvoieres, et échitisse paparent, 170 cauge de confedère puintonieres. Pour plus desprée ligrements su n'it ne matième d'informatique «-cath».



LS PI

Anthopized Signal

2.00

CERTIFICATE OF TEST

AL 5168-3 BOB

CUST. ORD. NO. & DATE CUST. CODE PRODUCT CODE MILL ORDER NUMBER 01016394 05/14/10 110977 | VANDERGRIFT, PA 1462813 13020102060000 30-050-144 PORMS DISTRIBUTION REPEAT OO PAR PLATE ORITY CONTRACT MATL 80 1 85 82037-5 26 11124 VANDERGRIFT PA | 650096 SOLD TO PRIME SEC. SHIP TO UNITED PERFORMANCE METALS DSO DSO UNITED PERFORMANCE METALS 3475 SYMMES ROAD 584 3475 SYMMES ROAD HAMILTON OH 45015 HAMILTON OH 45015

GRADE AND SPECIFICATIONS CARRIER - GROSS, RONALD, INC. ALLEGHENY STAINLESS STEEL TYPE 304-L SHEET C R COILS ANNEALED 28 FIN 3 EDGE (UPM 304L/304/302 LCS) (AMS 2248F) (AMS 5511H) (AMS 5513J) (AMS 5516P) (ASTM-A-262-10 PRA B/SCREEN PRA A) (ASTM-A-666-03) (5-400 DTD 10/10/2008) (ASTM-A-240-10) (S-1000 DATED 1/2/08) (ASME-SA-240-67) (10/22/08 EXCEPT UPM 304L/304/302) (UNS S30403) (UNS S30200) (UNS S30400) (UPM-QRS-001) (PWA 300 REV BJ) (F-14, F-17, F-22, F-23, F-MASTER) (EN 10028-7:2007-1.4301-2B) (CONTROLLED TO PWA LCS REQUIRMENTS) (EN 10028-7:2007-1.4307-2B)

> <>>>> ONLINE CERTIFICATES OF TEST ******* REGISTER AT WWW.ALCEXTRA.COM >>>>>>>

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